



LOUISIANA NATURAL AND SCENIC RIVERS SYSTEM

PERMIT APPLICATIONPermit # 919 (Assigned by Department)

The Louisiana Department of Wildlife and Fisheries' Scenic Rivers program is authorized by LRS title 56, Chapter 9 Part II. This law requires permits authorizing activities in or affecting rivers that have been designated by the Louisiana Legislature as Natural and Scenic. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary, however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

APPLICANT INFORMATION

Name of Applicant Louisiana DOTD	Name of Agent (if any)
Address c/o Bobby Lott (Section 28)	Address
Address 1201 Capitol Access Road	Address
City, State, Zip Baton Rouge, LA 70802	City, State, Zip
Phone 225-242-4504	Phone

DESCRIPTION OF THE PROPOSED ACTIVITY

Brief summary of the description and purpose of the proposed activity (details to be attached as a separate document)
Replacement of east and west bound Tickfaw River bridge approach slabs along I-12 in Livingston Parish, LA.
Is any portion of the activity complete? YES <input checked="" type="radio"/> (If yes indicate month and year of completion)

LOCATION OF PROPOSED ACTIVITY

Stream Name	Tickfaw River	Names, Addresses, Phone Numbers of Adjacent Property Owners
Parish	Livingston	
Section	35 and 41	
Township	6 South	
Range	5 East	
Latitude/Longitude	30.474856, -90.674458	

ENVIRONMENTAL ASSESSMENT

Must be a separate document. See the attached instruction sheet for completing the assessment.

CONFIRMATION OF INFORMATION ACCURACY

Application is hereby made for a Scenic River Use Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that, to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities, or I am acting as the duly authorized agent of the applicant.
--

Signature

11/20/2014

Date

**LOUISIANA DEPARTMENT OF
TRANSPORTATION AND
DEVELOPMENT
BATON ROUGE, LOUISIANA**

**SCENIC RIVERS PERMIT APPLICATION
LIVINGSTON PARISH, LOUISIANA**

NOVEMBER 2014

Prepared by:

**C-K Associates, LLC
17170 Perkins Road
Baton Rouge, Louisiana 70810
(225) 755-1000**

C-K Associates' Project No. 5015E

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION AND PROJECT DESCRIPTION	1
2.0 LIST OF ALL PARISH, STATE AND FEDERAL PERMITS REQUIRED.....	1
2.1 Parish Permits	1
2.2 State Permits	1
2.3 Federal Permits	1
3.0 ENVIRONMENTAL ASSESSMENT.....	1
3.1 Existing Land Use.....	1
3.2 Historical/Archeological Sites	2
3.3 Economic Impact of the Project.....	2
3.4 Wilderness/Rural Quality.....	2
3.5 Scenic/Aesthetic Value	2
3.6 Recreational Use/Opportunities	2
3.7 Ecological Systems Present	3
3.8 Fish and Wildlife in the Area.....	3
3.9 Botanical Elements (Vegetation)	3
3.10 Geological Features	3
3.11 Hydrological Features	4
3.12 Water Quality/Quantity.....	4
4.0 STATEMENT OF APPLICANTS COMPLIANCE HISTORY	4
5.0 STEPS TAKEN TO MINIMIZE AND/OR OFFSET POTENTIAL IMPACTS TO RIVER.....	4
6.0 ALTERNATIVES TO PROPOSED PROJECT.....	4

LIST OF FIGURES

Figure

1. Site Location Map
2. Plan View
3. Profile

APPENDICES

- A Figures
- B Photographs of Tickfaw River from Site
- C Solicitation of Views
- D Signed Scenic Rivers Application Legal Agreement

1.0 INTRODUCTION AND PROJECT DESCRIPTION

On behalf of the Louisiana Department of Transportation and Development (LADOTD), C-K Associates, LLC (C-K) is the acting agent for the proposed construction to replace the approach slabs at the existing bridge structures over the Tickfaw River along Interstate-12 (I-12) in Livingston Parish. The structures, located in Sections 35 and 41, Township 6 South, Range 5 East at latitude 30° 28' 29.48" N and longitude 90° 40' 28.05" W, include both the east and westbound lanes over the Tickfaw River. The proposed bridges (Structure Numbers 62324540218831 and 62324540218833) are each 562 feet long with 40-foot clear roadway widths and 20-foot approach slabs on either end. Constructed in 1969, the existing bridges are composed of eight 60-foot, and one 80-foot concrete flat slab spans. The proposed structures would be 200 feet long each with 61-foot clear roadway widths and 20-foot approach slabs on either end.

Construction letting is scheduled for July 8, 2015 and C-K anticipates that construction will begin October 2015.

2.0 LIST OF ALL PARISH, STATE AND FEDERAL PERMITS REQUIRED

2.1 Parish Permits

2.1.1 No Parish permits are required (Appendix C; Additional verbal confirmation received from Livingston Parish Department of Public Works).

2.2 State Permits

2.2.1 Louisiana Department of Wildlife and Fisheries (LDWF) Scenic River Use Permit

2.3 Federal Permits

2.3.1 Department of the Army Section 404 Nationwide Permit 23- Approved Categorical Exclusion to construct within 0.339 acres of other waters of the United States.

3.0 ENVIRONMENTAL ASSESSMENT

3.1 Existing Land Use

The site currently serves as an existing bridge crossing over the Tickfaw River. The bridge crossing is located along I-12 on a portion of rural interstate with an Average Daily Traffic (ADT) of 49,700 vehicles per day during 2011. The projected ADT for 2012 is 58,700 vehicles per day. The portion of I-12 located in Livingston parish extends across the Tickfaw River, its vegetated banks, and surrounding forested areas.

3.2 Historical/Archeological Sites

LADOTD searched the Louisiana Divisions of Historic Preservation and Archaeology GIS databases for known archaeological sites, standing structures, historic districts located within or adjacent to the project corridor that are listed or deemed eligible for inclusion in the National Register of Historic Places (NRHP). No previously recorded Historic Properties were identified. Additional correspondence regarding historical and archaeological sites is presented in Appendix C.

3.3 Economic Impact of the Project

The proposed LADOTD slab repair project will have a positive economic impact on the area by allowing continued and future increased traffic flow through the east and westbound lanes of the 1-12 corridor. This section of interstate is critical to travel between and among Louisiana and neighboring states. The repairs and updates to the bridge will accommodate increasing ADT rates. The proposed project will also provide an economic impact through construction jobs in the area.

3.4 Wilderness/Rural Quality

This project will have minimal short term impacts on the wilderness and rural quality of the river. The proposed project will not require additional right-of-way; therefore the rural quality of any adjacent lands will not be degraded or disturbed. The short term impacts may include construction noise, possible traffic delays, and minimal increases in sedimentation to the Tickfaw River. However, the contractor will be required to adhere to the provisions established by the Louisiana Standard Specifications for Roads and Bridges 2006 edition concerning erosion control, as well as other federal state, and local permits that may be required.

3.5 Scenic/Aesthetic Value

This project will have a temporary impact on the scenic and aesthetic value of the area only in the footprint of construction. Since the proposed project will repair the existing interstate highway bridge and use only existing right-of-way, no adjacent land use will be altered. The scenic and aesthetic value of the site will return to current conditions once construction is complete.

3.6 Recreational Use/Opportunities

This project will not impact recreational use associated with the Tickfaw River. The river channel will remain unobstructed at all times during construction. Common recreational sites such as Tickfaw State Park, located along the Tickfaw river, will not be affected as it is not in proximity to the proposed project location.

3.7 Ecological Systems Present

The site consists primarily of riparian community associated with the Tickfaw River drainage. The stream banks are steep and the streambed is significantly incised, confining the hydrology to the channel. The site is dominated by herbaceous vegetation.

3.8 Fish and Wildlife in the Area

Typical wildlife species in the surrounding areas include gray squirrels (*Sciurus carolinensis*), wild turkey (*Meleagris gallopavo*), white-tailed deer (*Odocoileus virginianus*), mourning doves (*Zenaida macroura*), small furbearers, waterfowl, and numerous nongame birds. Although some initial wildlife displacement and noise disturbance may occur, sufficient habitat exists adjacent to the existing site to absorb any displaced wildlife. The attached solicitation of views contains indication from LDWF that there are no rare, threatened, or endangered species or critical habitats found within the proposed project area (Appendix C).

3.9 Botanical Elements (Vegetation)

The site consists primarily of riparian habitat associated with the Tickfaw River drainage. The stream banks are steep and dominated by herbaceous vegetation. The herbaceous vegetation consists of sicklepod (*Senna obtusifolia*), ryegrass (*Lolium perenne*), Bermuda grass (*Cynodon dactylon*), and annual ragweed (*Ambrosia artemisiifolia*). Based on the field survey conducted by LADOTD in May 2010, in accordance with the *Army Corps of Engineers' 1987 Manual and 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region* (with subsequent clarification memoranda), the project area does not meet requirements to be considered jurisdictional wetlands. However, the proposed project will impact approximately 0.339 acres of Other Waters of the U.S., which is the portion of the Tickfaw River that runs underneath both bridge structures.

3.10 Geological Features

According to the Soil Conservation Service (SCS) *Soil Survey of Livingston Parish* (SCS 1987), Livingston Parish can be divided into four general physiographic regions, each characterized by soils formed in a different kind or age of parent material. The northern part of the parish is a nearly level to gently sloping upland called the Intermediate Terraces. This area is underlain by early to mid-Pleistocene loamy/clayey sediments blanketed by a layer of loess approximately three feet thick. The majority of Livingston Parish is characterized by Prairie terraces, which are level to gently sloping and composed of late Pleistocene sediments overlain by a layer of loess. Flood plains of the Amite and

Tickfaw Rivers, as well and smaller rivers and creeks make up the Holocene Alluvial Valleys that cover approximately 10 percent of the parish land area.

The southern edge of the parish is a band of marshes and coastal swamps at elevations near sea level. Deposits in these marshes and swamps on and near the surface are of Holocene age. Most of these coastal swamp sediments are continuously saturated. The proposed project is not expected to impact the geologic features of the area.

3.11 Hydrological Features

The proposed project site crosses the scenic Tickfaw River, as designated by LDWF. The project area lies within the boundaries of the Southern Hills aquifer system, which has been designated a sole source aquifer by the U.S. Environmental Protection Agency (EPA). Through its solicitation of views response, the EPA has determined that the project, as proposed, is not expected to adversely affect the quality of the ground water underlying the project site (Appendix C).

3.12 Water Quality/Quantity

Best Management Practices including hay bale dikes and silt fencing will be implemented as needed during construction to reduce the potential for construction runoff. Post-construction impacts from runoff will be minimized as any disturbed and exposed areas become re-vegetated. Long-term adverse impacts to the water quality of the Tickfaw River are not expected as a result of the proposed construction.

4.0 STATEMENT OF APPLICANT'S COMPLIANCE HISTORY

LADOTD has not been cited for a violation of the Scenic Rivers Act.

5.0 STEPS TAKEN TO MINIMIZE AND/OR OFFSET POTENTIAL IMPACTS TO RIVER

LADOTD will implement measures to ensure that adverse environmental impacts associated with the project are avoided or minimized to the extent practicable. Construction inspectors will verify that the contractor follows the proper techniques during construction. Long term adverse impacts to the Tickfaw River are not expected.

6.0 ALTERNATIVES TO THE PROPOSED PROJECT

Alternatives considered for this project include the build and no-build alternative. There are no alternatives to the proposed project that would meet current design and safety guidelines for the bridge. The no-build alternative would leave the existing bridge approach slabs in place.



State of Louisiana

BOBBY JINDAL
GOVERNOR

DEPARTMENT OF WILDLIFE AND FISHERIES

ROBERT J. BARHAM
SECRETARY

Dear Scenic River Permit Applicant:

Please review and concur on the following statement regarding the issuance of permits by the Louisiana Department of Wildlife and Fisheries. This agreement must be signed and returned before a Scenic River Permit can be issued.

"I have been advised and do understand that by applying for and accepting a Scenic Rivers permit issued by the Louisiana Department of Wildlife and Fisheries, I am being allowed to engage in an activity which would otherwise be prohibited by law or for which a permit is required. I understand that the permit is not a license and confers no property right upon me. I specifically agree to abide by all State and Federal fish and wildlife laws and regulations, and all State and Federal laws and regulations which relate to this permit or the permitted activity, and by all other terms and conditions of this permit. I understand that the permit for which I am applying may be suspended, annulled, withdrawn or revoked and that I may be assessed civil penalties, all in accordance with the provision of the Louisiana Administrative Procedure Act, and that I may be denied future permits as a consequence of my failure to fully and completely comply with the terms and conditions of the permit, as well as other laws and regulations pertinent thereto. If served with or notified of a cease and desist order signed by the Scenic Rivers Administrator, I agree to immediately and without delay cease all activities and operations which relate to the permitted activity or which are impacting the Scenic River, until such time as the matter can be resolved in an adjudicatory hearing pursuant to the Louisiana Administrative Procedure Act. I understand and agree that any permit issued to me by the Louisiana Department of Wildlife and Fisheries is in the nature of a privilege which is being voluntarily extended to me by the Department and the failure on my part to cooperate with the Department can result in the loss of the privilege conferred and the denial of future requests for permits. By accepting this permit, I evidence my agreement to be bound by all conditions and stipulations set forth herein."

A handwritten signature in blue ink, appearing to read "Robert J. Barham", written over a horizontal line.

Authorized Signature

A handwritten date in blue ink, "11/20/2014", written over a horizontal line.

Date

REV 12-7-98



REFERENCE

USGS 24K SERIES QUADRANGLE MAP, BEAR SKIN, LA.



ENVIRONMENTAL & ENGINEERING
CONSULTANTS

LADOTD
BATON ROUGE, LOUISIANA

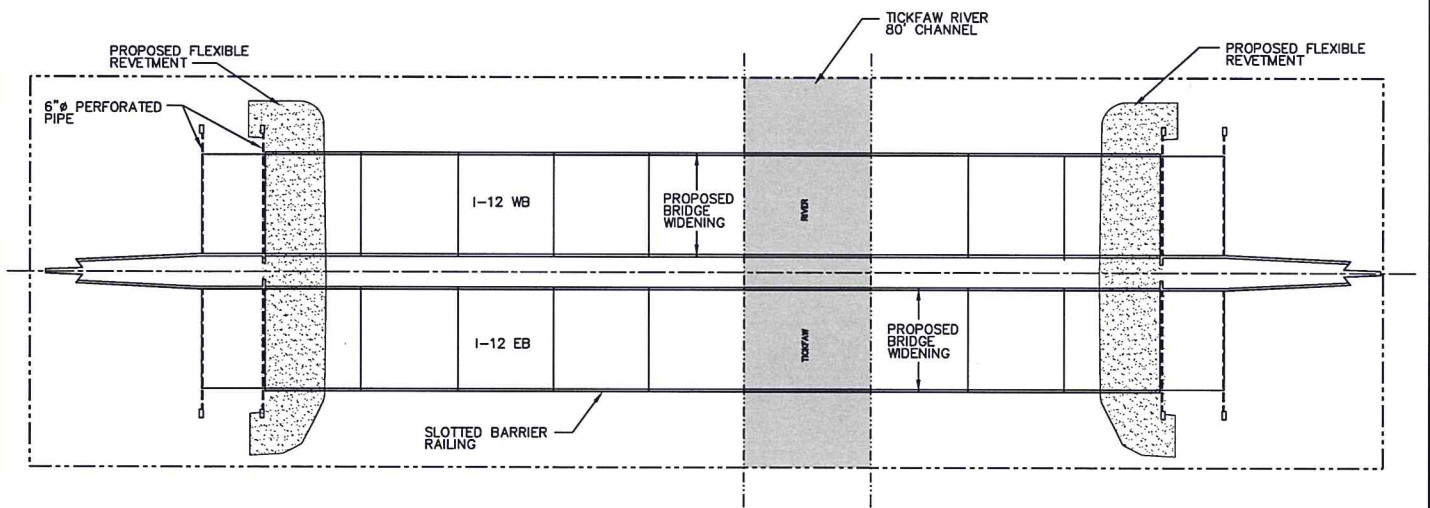
I12 APPROACH SLAB REPLACEMENTS
STATE PROJECT NO. H.003424

SITE LOCATION MAP

LIVINGSTON PARISH, LOUISIANA

Drawn:	CAL/AM9.2
Checked:	BLN
Approved:	TEW
Date:	01/30/12
Dwg. No.:	A5015-I12SRP-01

FIGURE 1



LEGEND

- Project Limits (2.011 acres)
Other Waters (0.339 acres)

NOTE: SEE FIGURE 11 FOR TYPICAL SECTION.

NOT TO SCALE

LADOTD

BATON ROUGE, LOUISIANA

I12 APPROACH SLAB REPLACEMENTS
STATE PROJECT NO. H.003424

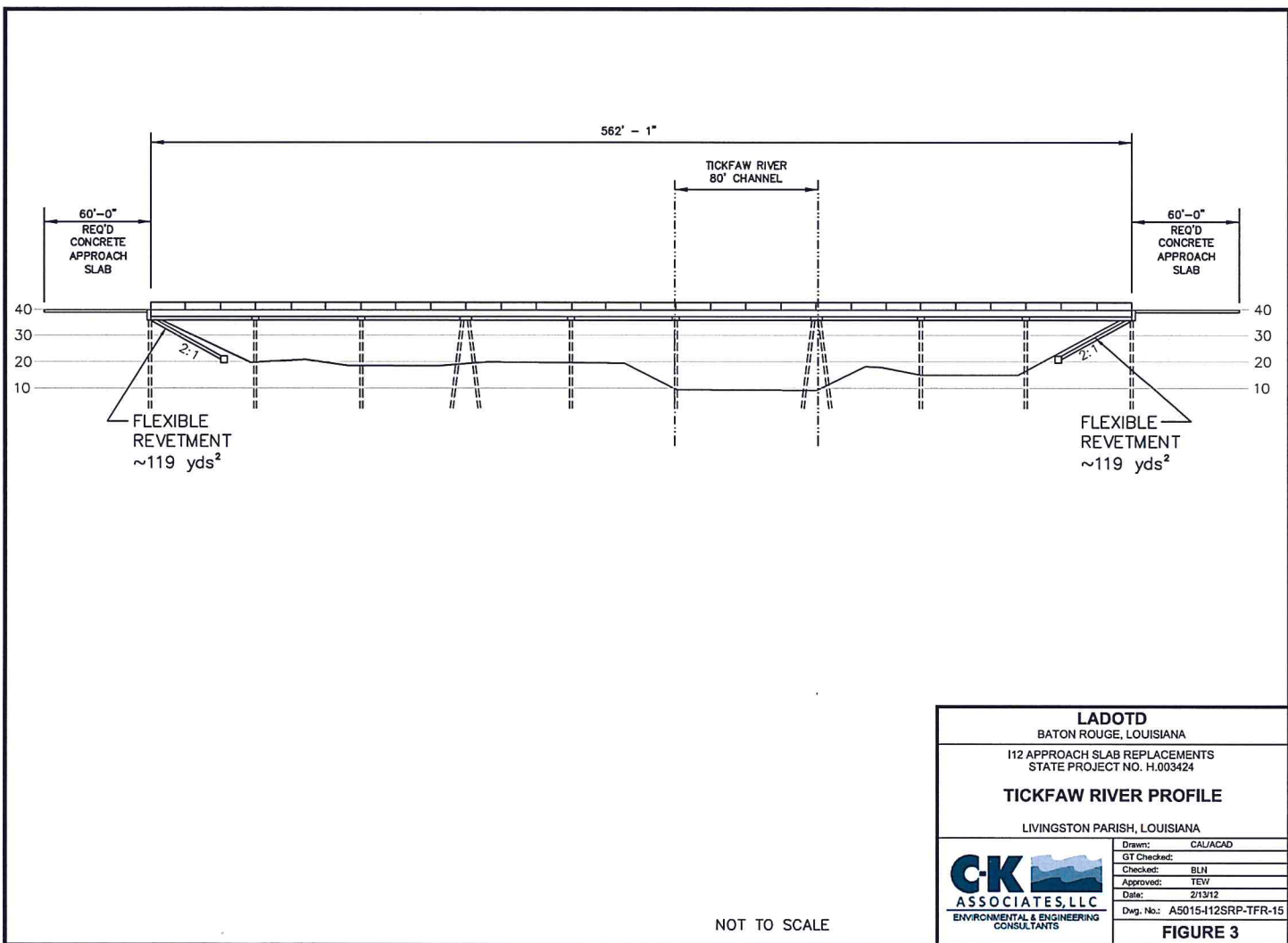
TICKFAW RIVER PLAN VIEW

LIVINGSTON PARISH, LOUISIANA



Drawn:	CAL/ACAD
GT Checked:	
Checked:	BLN
Approved:	TEW
Date:	2/13/12
Dwg. No.:	A5015-I12SRP-TFR-14

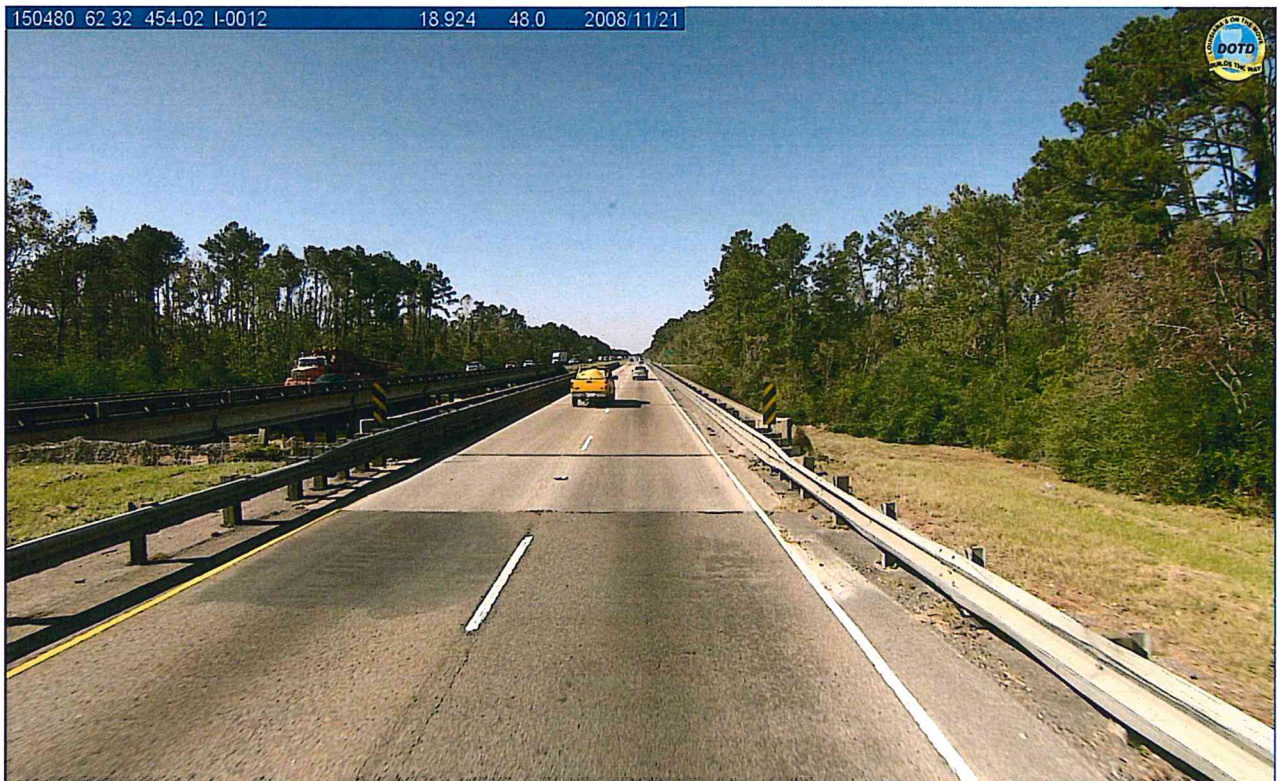
FIGURE 2



LADOTD BATON ROUGE, LOUISIANA	
I12 APPROACH SLAB REPLACEMENTS STATE PROJECT NO. H.003424	
TICKFAW RIVER PROFILE	
LIVINGSTON PARISH, LOUISIANA	
 CK ASSOCIATES, LLC ENVIRONMENTAL & ENGINEERING CONSULTANTS	Drawn: CAL/JACAD
	GT Checked:
	Checked: BLN
	Approved: TEW
	Date: 2/13/12
Dwg. No.: A5015-I12SRP-TFR-15	
FIGURE 3	



I-12 (facing E); showing the **Tickfaw River** eastbound Bridge.



I-12 (facing W); showing the **Tickfaw River** westbound Bridge.



Tickfaw River bridges (facing E); showing the bridge median and vegetation.



Tickfaw River bridges (facing SE); showing the river channel and banks.